

Biomedical Utility of Zinc and Copper Mediated Cerium Oxide Nanoparticles

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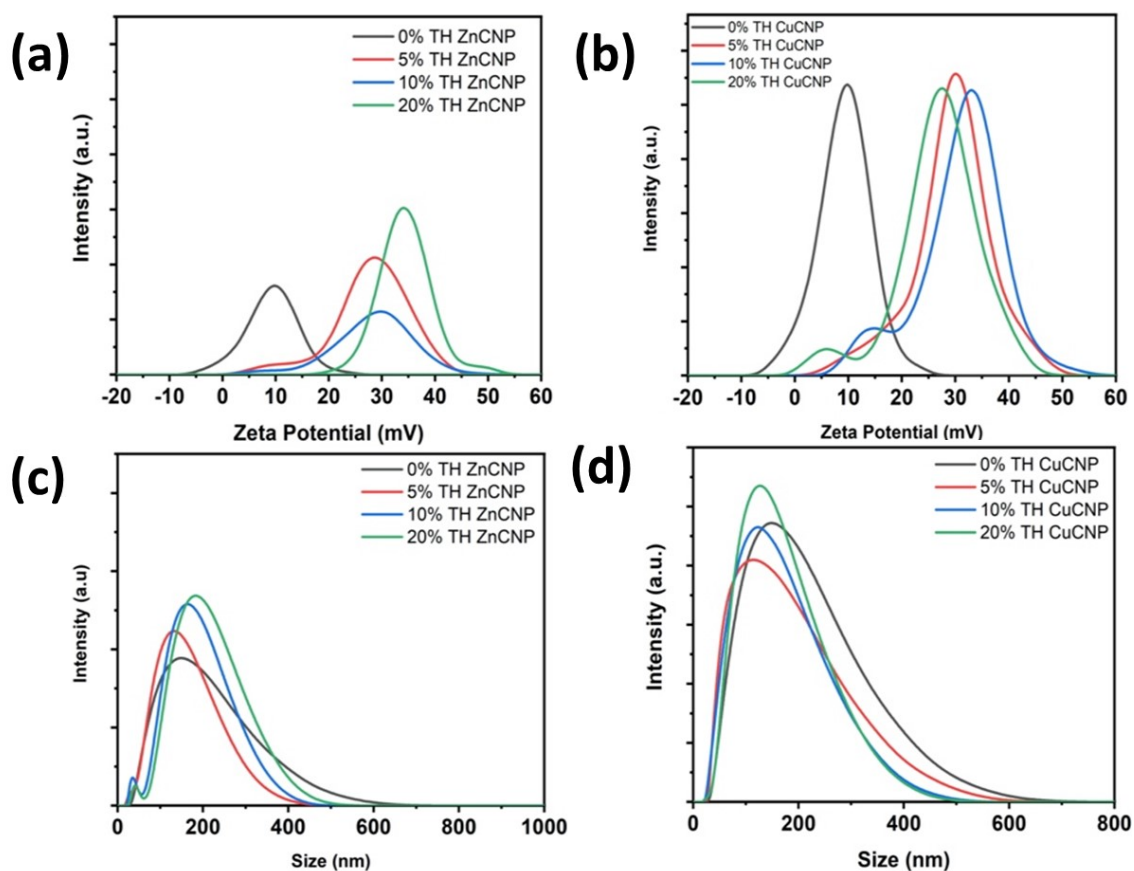


Fig. S1 Size and Zeta Potential of Zn and Cu-doped CNPs. There is an obvious increase in charge for both the Zinc (a) and Copper (b) mediated nanoparticle solutions in comparison with control CNPs. As for size, both the Zinc (c) and Copper (d) decorated Ceria nanoparticle solutions, in addition to the pure Ceria, had significant peaks at 200 nm. This is within range of proper nanoparticle size. Peak broadening suggests discrepancy in particle size, but the absence of a second peak reassures colloid uniformity and stability.